Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (Canceled).

11. (Currently Amended) An optical imaging system ~~comprising: a system (1) of optical components~~ arranged for generating an image of a region of a surface ~~(20.1)~~ of a component, the region (a) being ~~(20) which emits light which is~~ radially symmetrical about an axis of the component and (b) emitting light, ~~at least in part, for an optical measurement thereof,~~ the surface being such that a surface normal of the radially symmetrical region, at a ~~in the~~ measuring position, ~~of the component being~~ is inclined at a maximum angle of 90° with respect to the component axis, ~~wherein~~ the imaging system ~~(1) is designed for measuring outer surfaces (20.1), and includes~~ comprising:

a mirror ~~(2) which~~ that, in a measuring mode, captures a portion of [[the]] a light beam emitted from the radially symmetrical region ~~of the surface to be measured~~; and ~~supplies same to~~

at least one additional imaging ~~components in the system (1)~~ component, wherein:

the mirror supplies the captured portion of the light beam to the at least one additional imaging component for processing by the at least one additional imaging component of the captured portion of the light beam to produce the image; and

the imaging system is configured to measure the surface at the measuring position.

12. (Currently Amended) The imaging system according to Claim 11, wherein a size and a shape of the mirror ~~(2) is associated with~~ depends on a size and shape of the region of the surface of the component ~~(20)~~.

13. (Currently Amended) The imaging system according to Claim 11, wherein the mirror ~~(2)~~ has a radially symmetrical design, at least in part, and ~~in measuring mode~~ is designed and positioned for directly receiving, in the measuring mode, the light beam emitted from the region.

14. (Currently Amended) The imaging system according to Claim 11, wherein the mirror ~~(2)~~ has a circumferential radially symmetrical design and a central opening ~~(2.2)~~, [[and]] the imaging system further comprises:

a reflecting optical element ~~(3)~~ situated in [[the]] a beam path of the light beam and downstream, with respect to the beam path, from the mirror, the mirror reflecting ~~(2) receives~~ the light beam to the reflecting optical element, the optical element directing the reflected ~~from the mirror (2) and directs the~~ light beam through the central opening ~~(2.2)~~.

15. (Currently Amended) The imaging system according to Claim 13, wherein the mirror ~~(2)~~ has a circumferential radially symmetrical design and a central opening ~~(2.2)~~, [[and]] the imaging system further comprises:

a reflecting optical element ~~(3)~~ situated in [[the]] a beam path of the light beam and downstream, with respect to the beam path, from the mirror, the mirror reflecting ~~(2) receives~~ the light beam to the reflecting optical element, the optical element directing the reflected ~~from the mirror (2) and directs the~~ light beam through the central opening ~~(2.2)~~.

16. (Currently Amended) The imaging system according to Claim 14, wherein the reflecting optical element ~~(3)~~ has a radially symmetrical design and a central opening ~~(3.2)~~.

17. (Currently Amended) The imaging system according to Claim 15, wherein the reflecting optical element ~~(3)~~ has a radially symmetrical design and a central opening ~~(3.2)~~.

18. (Currently Amended) The imaging system according to Claim 14, wherein the at least one additional imaging component includes lens elements ~~(4, 5) for processing the image are provided~~ in the beam path and downstream, with respect to the beam path, from the reflecting optical element ~~(3)~~.

19. (Currently Amended) The imaging system according to Claim 15, wherein the at least one additional imaging component includes lens elements ~~(4, 5) for processing the image are provided~~ in the beam path and downstream, with respect to the beam path, from the reflecting optical element ~~(3)~~.

20. (Currently Amended) The imaging system according to Claim 16, wherein the at least one additional imaging component includes lens elements ~~(4, 5) for processing the image are provided~~ in the beam path and downstream, with respect to the beam path, from the reflecting optical element ~~(3)~~.

21. (Currently Amended) The imaging system according to Claim 17, wherein the at least one additional imaging component includes lens elements ~~(4, 5) for processing the image are provided~~ in the beam path and downstream, with respect to the beam path, from the reflecting optical element ~~(3)~~.

22. (Currently Amended) The imaging system according to Claim 11, wherein the system ~~(1)~~ is designed to generate [[an]] the image such that the image [[that]] can be interferometrically evaluated.

23. (Currently Amended) The imaging system according to Claim 13, wherein the system ~~(1)~~ is designed to generate [[an]] the image such that the image [[that]] can be interferometrically evaluated.

24. (Currently Amended) The imaging system according to Claim 11, further comprising:

~~wherein the system (1) has~~ a two-dimensional image recorder, wherein the image is generated ~~(6)~~ on [[which]] the ~~imaging occurs~~ the two-dimensional image recorder.

25. (Currently Amended) The imaging system according to Claim 13, further comprising:

~~wherein the system (1) has~~ a two-dimensional image recorder, wherein the image is generated ~~(6)~~ on [[which]] the ~~imaging occurs~~ the two-dimensional image recorder.

26. (Currently Amended) The imaging system according to Claim 11, wherein the system ~~(1)~~ is designed as an object arm of an interferometric measuring system.

27. (Currently Amended) The imaging system according to Claim 13, wherein the system ~~(1)~~ is designed as an object arm of an interferometric measuring system.

28. (Currently Amended) The imaging system according to Claim 26, wherein the system ~~(1)~~ is designed to generate an intermediate image.

29. (Currently Amended) The imaging system according to Claim 11, further comprising: ~~wherein~~

a transmissive optical element ~~is provided~~ directly downstream, with respect to a beam path of the light beam, from the mirror ~~(2)~~ for receiving the light beam reflected from the mirror.

30. (Currently Amended) The imaging system according to Claim 13, further comprising: ~~wherein~~

a transmissive optical element ~~is provided~~ directly downstream, with respect to a beam path of the light beam, from the mirror ~~(2)~~ for receiving the light beam reflected from the mirror.